wawiwa

FlatFinder Server Side (Node)

Project Specification

wawiwa

Contents

Introduction

Application Name: Rest API Server of FlatFinder

Goals

The project suppose to make the student gain confindence in the following skills:

- Developing Server Side.
- Developing REST API.
- Manage authentication and authrization.
- Manage a database.

Technologies

- Server - Node, Express
- Database - Mongodb
- Test - Postman/Insomnia
- Security - json web token

Entities

User

- id
- email
- password
- first name
- last name
- birth date
- is admin
- favourite flats list
- created
- updated

Flat

- id
- city
- street name
- street number
- area size
- has ac
- year built
- rent price
- date available
- owner id
- created
- updated

Message

- id
- content
- flat id
- sender id
- created

End Points

Regarding the permissions of the following endpoints: all of them require the clients to be at least logged in.

User

function	route	http method	permissions
`getAllUsers`	`/users`	`GET`	admin
`getUserById`	`/users/:id`	`GET`	
`updateUser`	`/users`	`PATCH`	admin/account owner
`deleteUser`	`/users`	`DELETE`	admin/account owner
`login`	`/users/login`	`POST`	
`register`	`/users/register`	`POST`	

Flat

function	route	http method	permissions
`getAllFlats`	`/flats`	`GET`	
`updateFlat`	`/flats`	`PATCH`	flat owner
`deleteFlat`	`/flats`	`DELETE`	flat owner
`addFlat`	`/flats`	`POST`	flat owner
`getFlatById`	`/flats/:id`	`GET`	

Messages

function	route	http method	permissions
`getAllMessages`	`/flats/:id/messages`	`GET`	flat owner
`getUserMessages`	`/flats/:id/messages/:senderId`	`GET`	the sender
`addMessage`	`/flats/:id/messages`	`POST`	

Summary

The development will be done in the following order:

Task	Days
User API	1
Flat API	1.5
Messages API	1
Auth API	1.5
Total	**5**

Good Luck!